



384023

SHEREX CHEM CO INC
ILD 095792859

ESI PRIORITIZATION QUESTIONNAIRE

Site Name: Sherex Chem Co Inc ID# ILD095792859
Date Prepared: 9-13-91 Prepared By: Robert Perlowski
Site Location NW 1/4, NW 1/4, Sec.29, T7N, R7E, Mapleton, Peoria IL
Brief Site History Sherex Chemical Company, the present site owner, bought the site from Ashland Chemical in the early 1970s. Sherex manufactures fatty acids, unsaturated alcohols, and fatty nitrogens, on the 389 acre site in Peoria county, southeast of Mapleton and north of the Illinois River. During a ten year period, from the early 1960s to the early 1970s, when Ashland Chemical owned and operated the site, liquid waste consisting of nitric acid, cadmium and copper from the cleaning of a high pressure alcohol process reactor was disposed on-site into a shallow trench. Estimated volume of the liquid waste is 25,000 to 30,000 gallons for the ten year period that waste was dumped into the trench. The exact operations of Ashland Chemical are unknown. The site currently has part A RCRA status.
Superfund Preliminary Assessment PA Date (State) 9/29/81 PA Rating: N/A
Hazardous Substances of Concern:

Migration Pathway(s) of Concern:

Type of Documentation of Hazardous Substances:

Superfund Site Inspection Date of Inspection (Fit) 3/29/84

Migration Pathways Investigated:

No sampling was conducted during this inspection. Site representatives were interviewed and visual observations by FIT personnel were made.

Type/Contaminants of Concern Found for each Migration Pathway:

No samples were collected.

Data Gaps/Migration Pathways not Investigated:

Groundwater

Surface water

Soil sampling

Past history of the site when it was owned by Ashland Chemical

Past disposal practices and waste types

Superfund HRS Score: None

Actual SI Score: None

Projected HRS Score: 15.90

SSI Rating or Recommendation: None

Target Populations:

Distance to nearest public water supply source (well) 2000 feet

Distance to nearest private water supply source 1/2 mile

Provide population estimates for the following pathways:

Groundwater

0-1/4 mile 92
1/4-1/2 mile 1110
1/2-1 mile 177
1-2 miles 267
2-3 miles 577
3-4 miles 851

Soil Exposure

On-site 75
0-1/4 mile 92
1/4-1/2 mile 185
1/2-1 mile 277

Air

0-1/4 mile 92
1/4-1/2 mile 185
1/2-1 mile 277

1-2 miles 467
2-3 miles 977
3-4 miles 1511

Surface Water

Distance to nearest intake >15 mi Population served N/A

Total Population served within 15 miles downstream N/A

Distance to nearest Fishery 1/2 mi Name Illinois River

Distance to nearest sensitive environment 1 mile Type Wetland

Distance to nearest perennial Surface Water Body 1/2 mi Type River

Other (non-Superfund) site inspection activities/Other Program Contacts:

Remedial investigation, May 1988 Envirodyne Engineers, INC.

Health Assessment, 4/18/91, Illinois department of Public Health.

IEPA file search September 4-6, 1991.

Migration Pathways Investigated:

Soil; Nine borings, 85 samples All sampling was conducted in the waste

Groundwater; Ten samples disposal area on site.

Four sediment samples

Types/Contaminants of concern found for each migration pathway:

Soil; arsenic 16.3mg/kg, cadmium 435mg/kg, chromium 20.8mg/kg, lead 66mg/kg, nickel 36.4mg/kg, thallium 16mg/kg, vanadium 26.5mg/kg

Groundwater; cadmium 12ug/l, iron 1,320ug/l, sodium 120,000ug/l, barium 110ug/l, chromium 21ug/l, lead 28ug/l, nickel 252ug/l

Sediment samples; arsenic 5mg/l, barium 100mg/l, cadmium 1mg/l

Is there PRP/State RI/FS or other remediation underway? (Describe):

IEPA 1975, site placed on SRAPL list.

RCRA Inspection June 15, 1989, IEPA. The Sherex Chemical CO. was found to be in compliance with RCRA requirements.

State Comment/Recommendation (to be completed by State):